

الاختبارات الشهرية

لشهر أكتوبر ٢٠٢٢

Mathematics - Science - English

6th PRIMARY

First Term

للمدارس التجريبية
والخاصة لغات

Mathematics

Lessons
• **Unit (1) : Ratio.** From lesson (1) to the end of lesson (4).
• **Unit (3) : Geometry and measurement.** From lesson (1) to the end of lesson (4).

Science

Units	Concepts
Unit 1 Force and Motion	**The Lesson :** Mass and Weight
Unit 2 Thermal Energy	**Lesson 1 :** Heat Conduction. **Lesson 2 :** Measuring Temperature.

English

Units
Unit 1 **Unit 2**

Test 1

Total mark
10

1 Choose the correct answer from those given : (4 marks)

1. The ratio between the two numbers 15 and 21 is ....
   ⓐ 3 : 7 ⓑ 5 : 3 ⓒ 5 : 7 ⓓ 3 : 7

2. 5000 gm : 2.5 kg. = ...
   ⓐ 1 : 2 ⓑ 5 : 2 ⓒ 2 : 1 ⓓ 2 : 5

3. The diagonals are perpendicular in ....
   ⓐ rectangle. ⓑ square.
   ⓒ parallelogram. ⓓ trapezoid.

4. 10 dm^3 = ... cm^3
   ⓐ 1000 ⓑ 100 ⓒ 10000 ⓓ 10

2 Complete : (4 marks)

1. If A : B = 3 : 4 and B : C = 2 : 5 , then A : C = ... (in the simplest form)
2. ABCD is a rhombus , m (∠ A) = 60° , then m (∠ B) = ...
3. $\frac{0.5}{6}$ = 1 : ....
4. A cuboid of dimensions 8 cm. , 6 cm. and 5 cm.
   , then its volume = ... cm^3

3 If the number of students in a school is 420 students and the ratio between the number of boys to the number of girls is 3 : 4 , find the number of each of boys and girls. (2 marks)

....
....
....
....

Test 2

Total mark 10

1 Choose the correct answer from those given : (4 marks)

1. $\frac{5}{3} : \frac{3}{8} =$ ....
   ⓐ 5 : 8 ⓑ 5 : 9 ⓒ 40 : 8 ⓓ 40 : 9

2. $\frac{1}{2}$ day : 8 hours : $\frac{1}{4}$ day = ...
   ⓐ 6 : 4 : 3 ⓑ 8 : 4 : 3 ⓒ 12 : 8 : 4 ⓓ 2 : 3 : 4

3. The four sides are equal in length in ....
   ⓐ trapezoid. ⓑ parallelogram. ⓒ rhombus. ⓓ rectangle.

4. A cuboid of volume 300 cm^3 and base area 50 cm^2, then its height = ... cm.
   ⓐ 6 ⓑ 12 ⓒ 8 ⓓ 10

2 Complete : (4 marks)

1. △ △ ○ △ △ ○ △ △ ○ .... (in the same pattern)
2. $\frac{1}{4} : \frac{1}{3} : \frac{1}{2} =$ .... : .... : .... (in the simplest form)
3. $\frac{1}{2}$ km : 250 m. = ... : .... (in the simplest form)
4. The parallelogram in which its two diagonals are equal in length is called ....

3 A metallic cuboid of dimensions 16 cm. , 8 cm. , 12 cm. is converted into ingots in the shape of cuboid of dimensions 4 cm. , 2 cm. , 3 cm. Find the number of ingots. (2 marks)

....

....

....

Test 3

Total mark

10

1 Choose the correct answer from those given : (4 marks)

1. The quadrilateral in which only two sides are parallel is called ....
   (a) rectangle. (b) square. (c) rhombus. (d) trapezium.

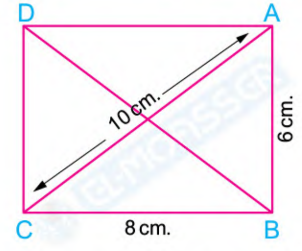
2. 6000 gm : 8 kg = ...
   (a) 3 : 4 (b) 4 : 3 (c) 7 : 4 (d) 3 : 7

3. A cuboid of base area 18 cm^2 and height 4 cm. , then its volume = ...
   (a) 72 cm^2 (b) 72 cm^3 (c) 144 cm^2 (d) 144 cm^3

4. 8 dm. : 120 cm. : 2 m. = ...
   (a) 8 : 2 : 5 (b) 2 : 3 : 5 (c) 2 : 6 : 5 (d) 2 : 3 : 10

2 Complete : (4 marks)

1. **In the opposite figure :**
   ABCD is a rectangle
   , then BD = ... cm.



2. $\frac{1}{3} : \frac{1}{5} : \frac{1}{6}$ = ... : .... : .... (in the simplest form)

3. A cuboid with a square shaped base of side length 9 cm. and height 5 cm.
   , then its volume = ... cm^3

4. XYZL is a parallelogram , m (∠ Y) = 80° , then m (∠ L) = ...

3 If the ratio between the side lengths of a triangle is 3 : 5 : 6 and its perimeter is 42 cm. Find the length of each side. (2 marks)

....

....

....

....

Test 1

Total mark 10

Question 1 (5 marks)

A Put (✓) or (✗) :

1. Senstive two-arms scale is used to measure small masses as gold and vegetables. ( )
2. Copper is a good conductor of heat. ( )
3. The scale of the medical thermometer starts from 37°C to 42°C ( )
4. The boiling point of water is 100°C ( )

B Give a reason for :

The force of the Earth's gravity is more than the moon's gravity.

....

Question 2 (5 marks)

A Choose the correct answer :

1. The mass of half liter of water equals .... grams.
   (a) 5 (b) 50 (c) 500 (d) 5000
2. Which of the following is the fastest in conducting heat ? ....
   (a) Copper. (b) Iron.
   (c) Aluminium. (d) Gold.
3. The used liquid in the celsius thermometer is ....
   (a) alcohol. (b) mercury. (c) water. (d) milk.
4. The lower fixed point in the celsius thermometer is .... °C
   (a) 100 (b) 42 (c) 37 (d) 0

B Problem :

An object's mass = 60 kg. on the Earth's surface, calculate :

1. Its weight on the Earth : ....
2. Its weight on the moon : ....

Test 2

Total mark
....
10

Question 1

(5 marks)

A Write the scientific term of each of the following :

1. The amount of matter in an object. (..................)
2. The degree of hotness or coldness of a body. (..................)
3. Materials that do not let heat flow through. (..................)
4. A device used to measure the temperature of liquids. (..................)

B What happens if ... ?

Two bodies have the same temperature touch each other.

....

Question 2

(5 marks)

A Correct the underlined word :

1. Mass is the gravitational force by which a body is attracted to the Earth. (..................)
2. Materials that conduct heat are called heat insulators. (..................)
3. The boiling point of water is 0°C. (..................)
4. An object whose weight is 40 Newton on Earth, so its mass equals 400 kg. (..................)

B Problem :

If the object's mass = 600 gm. on the Earth's surface, calculate :

1. Its weight on the Earth : ....
2. Its weight on the moon : ....





Sample Test 1

1. Choose the correct answer from a , b , c or d :

1. We .... lunch at Grandpa's Ali last Saturday.
   a. have b. has c. had d. to have
2. The restaurant is clean and the .... are good.
   a. houses b. prices c. prizes d. addresses
3. The .... is 12 Al-Ahram Street.
   a. colour b. address c. number d. day
4. What are your .... ?
   a. ours b. hours c. clocks d. watches
5. Are you open .... Tuesdays ?
   a. in b. at c. on d. of
6. Does that .... the Mummy rooms ?
   a. including b. includes c. include d. included
7. Ice cream is my favourite ....
   a. flavour b. desert c. dessert d. drink

2. Rearrange the following words to make correct sentences :

1. has – **Ice cream** – history – a long.

   ....

2. children – **Are** – five – under – free ?

   ....

3. Punctuate the following sentence :

who is Grandpa Ali s ?

....

Sample Test 2

1. Choose the correct answer from a , b , c or d :

1. .... there a school near the bank ?

a. Was b. Were c. Are d. Have

2. When did the first ice cream shop .... ?

a. opened b. opening c. opens d. open

3. How .... water did she have ?

a. many b. much c. often d. old

4. She .... a cup of coffee yesterday.

a. has b. have c. had d. having

5. How many .... of lemonade did you have ?

a. cans b. slices c. loaves d. pieces

6. Can we see the .... at the theatre ?

a. show b. air c. food d. sea

7. I go to the barber's shop to get a ....

a. book b. letter c. haircut d. pound

2. Rearrange the following words to make correct sentences :

1. me – you – **Let** – help.

....

2. can – books – **Where** – you – borrow?

....

3. Punctuate the following sentence :

Ahmed doesn t go to the zoo on Friday

....



إجابـــات

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Answers of Test 1

1 (1) c (2) c (3) b (4) c

2 (1) 3 : 10 (2) 120° (3) 12 (4) 240

3

Boys	:	Girls	:	Sum
3	:	4	:	7
?	:	?	:	420

The number of boys = $\frac{3 \times 420}{7}$ = 180 boys

The number of girls = $\frac{4 \times 420}{7}$ = 240 girls

Answers of Test 2

1 (1) d (2) a (3) c (4) a

2 (1) △ △ ○ (2) 3 : 4 : 6 (3) 2 : 1 (4) rectangle

3 The volume of the metallic cuboid = $16 \times 8 \times 12 = 1536$ cm^3

The volume of each ingot = $4 \times 2 \times 3 = 24$ cm^3

The number of ingots = $1536 \div 24 = 64$ ingots

Answers of Test 3

1 (1) d (2) a (3) b (4) b

2 (1) 10 (2) 10 : 6 : 5 (3) 405 (4) 80°

3

1^{st} side	:	2^{nd} side	:	3^{rd} side	:	Sum
3	:	5	:	6	:	14
?	:	?	:	?	:	42

The length of the 1^{st} side = $\frac{3 \times 42}{14}$ = 9 cm.

The length of the 2^{nd} side = $\frac{5 \times 42}{14}$ = 15 cm.

The length of the 3^{rd} side = $\frac{6 \times 42}{14}$ = 18 cm.

Answers of Test 1

Question 1

A 1 ✗ 2 ✓ 3 ✗ 4 ✓

B Because the mass of the Earth is more than the mass of the moon.

Question 2

A 1 ⓒ 2 ⓐ 3 ⓑ 4 ⓓ

B 1 The object's weight on the Earth = Its mass × 10 = 60 × 10 = 600 Newton.

2 The object's weight on the moon = Its weight on the Earth × $\frac{1}{6}$

$= 600 \times \frac{1}{6} = 100$ Newton.

Answers of Test 2

Question 1

A 1 Mass. 2 Temperature.

3 Heat insulators. 4 Celsius thermometer.

B Heat will not transfer from one body to the other.

Question 2

A 1 Weight 2 conductors.

3 freezing 4 4

B 1 The object's weight on the Earth = Its mass × 10 = $\frac{600}{1000} \times 10 = 6$ Newton.

2 The object's weight on the moon = Its weight on the Earth × $\frac{1}{6}$

$= 6 \times \frac{1}{6} = 1$ Newton.

Answers of Sample Test 1

1 Choose the correct answer from a , b , c or d :

1. c. had
2. b. prices
3. b. address
4. b. hours
5. c. on
6. c. include
7. c. dessert

2 Rearrange the following words to make correct sentences :

1. Ice cream has a long history.
2. Are children under five free ?

3 Punctuate the following sentence :

Who is Grandpa Ali's ?

Answers of Sample Test 2

1 Choose the correct answer from a , b , c or d :

1. a. Was
2. d. open
3. b. much
4. c. had
5. a. cans
6. a. show
7. c. haircut

2 Rearrange the following words to make correct sentences :

1. Let me help you.
2. Where can you borrow books?

3 Punctuate the following sentence :

Ahmed doesn't go to the zoo on Friday.